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PTO/SB/21 (08-03)  
Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

1754  
\$

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/024,679
	Filing Date	December 18, 2001
	First Named Inventor	Alfred E. Keller
	Art Unit	1754
	Examiner Name	Timothy C. Vanoy
Total Number of Pages in This Submission	Attorney Docket Number	1856-09301

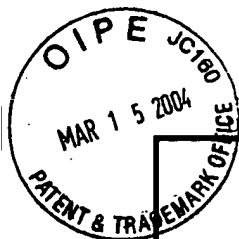
ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> <b>Fee Transmittal Form</b> <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> <b>Supplemental Information Disclosure Statement</b> <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> <b>Other Enclosure(s) (please identify below):</b>  • Form PTO-1449 (with copy of cited reference) • Acknowledgement Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm Or Individual Name	Carol G. Mintz, PTO Reg. 38,561
Signature	<i>Carol G. Mintz</i>
Date	March 11, 2004

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or Printed Name	Frances Hampton		
Signature	<i>Frances Hampton</i>	Date	March 11, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.**

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# FEE TRANSMITTAL For FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** **\$180.00**

## Complete if Known

Application Number	10/024,679
Filing Date	December 18, 2001
First Named Inventor	Alfred E. KELLER
Examiner Name	Timothy C. Vanoy
Art Unit	1754
Attorney Docket No.	1856-09301

## METHOD OF PAYMENT (Check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:  
Deposit Account Number: 03-2769  
Deposit Account Name: Conley Rose, P.C.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account  
☒ Credit any overpayments

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee	Small Entity Fee	Code (\$)	Fee Description	Fee Paid
1001	2001	385	Utility filing Fee	\$
1002	2002	170	Design filing fee	\$
1003	2003	265	Plant filing fee	\$
1004	2004	385	Reissue filing fee	\$
1005	2005	80	Provisional filing fee	\$

**SUBTOTAL (1) \$**

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
20** = *	x	18.00	= \$
Independent Claims	3** = *	86.00	= \$
Multiple Dependent		290.00	= \$ 00.00

Large Entity Fee	Small Entity Fee	Code (\$)	Fee Description
1202	2202	9	Claims in excess of 20
1201	2201	43	Independent Claims in excess of 3
1203	2203	145	Multiple dependent claim, if not paid
1204	2204	43	** Reissue independent claims over original patent
1205	2205	9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) \$**

\*\* or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee	Small Entity Fee	Code (\$)	Fee Description	Fee Paid
1051	2051	65	Surcharge - late filing fee or oath	\$
1052	2052	25	Surcharge - late provisional filing fee or cover sheet	\$
1053	1053	130	Non-English specification	\$
1812	1812	2,520	For filing a request for <i>ex parte</i> reexamination	\$
18042	920*	1804	920* Requesting publication of SIR prior to Examiner action	\$
1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action	\$
1251	110	2251	55 Extension for reply within first month	\$
1252	420	2252	210 Extension for reply within second month	\$
1253	950	2253	475 Extension for reply within third month	\$
1254	1,480	2254	740 Extension for reply within fourth month	\$
1255	2,010	2255	1,005 Extension for reply within fifth month	\$
1401	330	2401	165 Notice of Appeal	\$
1402	330	2402	165 Filing a brief in support of an appeal	\$
1403	280	2403	140 Request for oral hearing	\$
1451	1,510	1452	1,510 Petition to institute a public use proceeding	\$
1452	110	2452	55 Petition to revive - unavoidable	\$
1453	1,330	2453	665 Petition to revive - unintentional	\$
1501	1,330	2501	665 Utility issue fee (or reissue)	\$
1502	480	2502	240 Design issue fee	\$
1503	640	2503	320 Plant issue fee	\$
1460	130	1460	130 Petitions to the Commissioner	\$
1807	50	1806	50 Processing fee under 37 CFR 1.17(g)	\$
123	50	123	50 Petitions related to provisional applications	\$
1806	180	1806	180 Submission of Information Disclosure Stmt	\$180.00
8021	40	8021	40 Recording each patent assignment per property (times number of properties)	\$
1809	770	2809	385 Filing a submission after final rejection (37 CFR § 1.129(a))	\$
1810	770	2810	385 For each additional invention to be examined (37 CFR § 1.129(b))	\$
1801	770	2801	385 Request for Continued Examination (RCE)	\$
1802	900	1802	900 Request for expedited examination of a design application	\$

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) \$180.00**

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Carol G. Mintz	Registration No. (Attorney/Agent)	38,561	Telephone	(713) 238-8000
Signature				Date	March 11, 2004

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Alfred E. Keller

SERIAL NO.: 10/024,679

FILED: December 18, 2001

FOR: Short Contact Time Catalytic  
Partial Oxidation Process for  
Recovering Sulfur From An  
H<sub>2</sub>S-Containing Gas Stream

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GROUP ART UNIT NO. 1754

EXAMINER:

Timothy C. Vanoy

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Atty. Dkt. No.: 1856-09301

Date: March 11, 2004

Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In accordance with 37 CFR §1.97, §1.98, applicant is providing herewith copies of the supplementary items listed on the attached U.S. Patent and Trademark Office Form PTO 1449. If this application was filed prior to June 30, 2003, a copy of each publication listed on Form PTO-1449 is enclosed herewith. This information is supplemental to the Information Disclosure Statement and Form PTO 1449 filed in the above-referenced case on July 18, 2002.

The submission of this Supplemental Information Disclosure Statement and Form PTO-1449 is not an admission that the art cited is "prior" with respect to the present invention, nor is it a representation that no better art exists. Applicants hereby reserve the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and the situation warrant such an action.

Because an Office Action has been entered in this case, this Information Disclosure Statement is being filed under C.F.R. 1.97(c). Applicant hereby authorizes the Commissioner to charge Deposit Account 03-2769 of Conley Rose, P.C. the amount of \$180 so that this Information Disclosure Statement may be considered.

Respectfully submitted,

Carol G. Mintz  
Reg. No. 38,561  
CONLEY ROSE, P.C.  
P. O. Box 3267  
Houston, Texas 77253-3267  
(713) 238-8000  
AGENT FOR APPLICANT

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Applicant  
Alfred E. KELLERFiling Date  
December 18, 2001Group  
1754**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
A1		6,488,838	12/03/2002	Tonkovich et al.			
A2		6,616,909	09/09/2003	Tonkovich et al.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation YES NO	
	B1							

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

C1	Arthur L. Kohl and Fred C. Riesenfeld, <i>Gas Purification, Fourth Edition</i> , Gulf Publishing Company, Library of Congress Cataloging in Publication Data, TP7545K6, 1985, 665.7, 85-4148, ISBN 0-87201-314-6, pp. 457-460

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.